Name of Work: Improvements and Ashalting to Babanna layout 1st Main roadand cross roads in ward No 12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
14	Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications							
	Babanna Layout							
	2nd Cross Road (From Hesaraghtta Main Road)							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 5.65)/2		174.75	
	Ch:30.0m to 60.00m		1	30.00	(5.65 + 5.05)/2		160.50	
	Ch:60.00m to 90.00m		1	30.00	(5.05 + 5.15)/2		153.00	
	Ch:90.00m to 120.00m		1	30.00	(5.15 + 5.10)/2		153.75	
	Ch:120.00m to 150.00m		1	30.00	(5.10 + 6.20)/2		169.50	
	Ch:150.00m to 180.00m		1	30.00	(6.20 + 6.30)/2		187.50	
	Ch:180.00m to 203.30m		1	23.30	(6.30 + 6.60)/2		150.29	
	Ch:203.30m to 233.30m		1	30.00	(4.50 + 4.50)/2		135.00	
	Ch:233.30m to 263.30m		1	30.00	(5.50 + 4.90)/2		156.00	
	Ch:263.30m to 293.30		1	30.00	(4.90 + 5.00)/2		148.50	
	Ch:293.30m to 323.30m		1	30.00	(5.00 + 5.00)/2		150.00	
	Ch:323.3.30m to 343.30m		1	20.00	(6.80 + 5.20)/2		120.00	
	Ch:343.30m to 371.05m		1	27.75	(6.80 + 4.90)/2		162.34	
	Ch:371.05m to 401.05m		1	30.00	(6.25 + 5.00)/2		168.75	
	Ch:401.05m to 431.05m		1	30.00	(5.30 + 5.10)/2		156.00	
	Ch:431.05m to 461.05m		1	30.00	(5.10 + 4.45)/2		143.25	

CIVIL TECH LABS BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

30

Name of Work: Improvements and Ashalting to Babanna layout 1st Main roadand cross roads in ward No 12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
16	Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 5.4% VG-30 Bitumen							
	Babanna Layout							
	2nd Cross Road (From Hesaraghtta Main Road)							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 5.65)/2	0.03	5.24	
	Ch:30.0m to 60.00m		1	30.00	(5.65 + 5.05)/2	0.03	4.82	
	Ch:60.00m to 90.00m		1	30.00	(5.05 + 5.15)/2	0.03	4.59	
	Ch:90.00m to 120.00m		1	30.00	(5.15 + 5.10)/2	0.03	4.61	
	Ch:120.00m to 150.00m		1	30.00	(5.10 + 6.20)/2	0.03	5.09	
	Ch:150.00m to 180.00m		1	30.00	(6.20 + 6.30)/2	0.03	5.63	
	Ch:180.00m to 203.30m		1	23.30	(6.30 + 6.60)/2	0.03	4.51	
	Ch:203.30m to 233.30m		1	30.00	(4.50 + 4.50)/2	0.03	4.05	
	Ch:233.30m to 263.30m		1	30.00	(5.50 + 4.90)/2	0.03	4.68	
	Ch:263.30m to 293.30		1	30.00	(4.90 + 5.00)/2	0.03	4.46	
	Ch:293.30m to 323.30m		1	30.00	(5.00 + 5.00)/2	0.03	4.50	
	Ch:323.30m to 343.30m		1	20.00	(6.80 + 5.20)/2	0.03	3.60	
	Ch:343.30m to 371.05m		1	27.75	(6.80 + 4.90)/2	0.03	4.87	
	Ch:371.05m to 401.05m		1	30.00	(6.25 + 5.00)/2	0.03	5.06	

CIVIL TECH LABS BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಆರ್.ಆರ್. ನಗರ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:401.05m to 431.05m		1	30.00	(5.30 + 5.10)/2	0.03	4.68	
	Ch:431.05m to 461.05m		1	30.00	(5.10 + 4.45)/2	0.03	4.30	
	Ch:461.05m to 491.05m		1	30.00	(4.45 + 4.90)/2	0.03	4.21	
	Ch:491.05m to 521.05m		1	30.00	(4.90 + 5.00)/2	0.03	4.46	
	Ch:521.05m to 535.05m		1	14.00	(5.00 + 4.80)/2	0.03	2.06	
	Cross Road-1							
	Ch:0.0m to 30.00m		1	30.00	(4.80 + 4.80)/2	0.04	5.76	
	Ch:30.0m to 60.00m		1	7.00	(4.80 + 4.80)/2	0.04	1.34	
	Cross Road-2							
	Ch:0.0m to 30.00m		1	30.00	(4.70 + 4.70)/2	0.04	5.64	
	Ch:30.0m to 60.00m		1	5.00	(4.70 + 4.70)/2	0.04	0.94	
	Cross Road-3							
	Ch:0.0m to 30.00m		1	25.00	(4.80 + 4.80)/2	0.04	4.80	
	5th Cross Road							
	Ch:0.0m to 30.00m		1	30.00	(5.30 + 5.00)/2	0.03	4.64	
	Ch:30.0m to 60.00m		1	30.00	(4.70 + 5.00)/2	0.03	4.37	
	Ch:60.00m to 90.00m		1	30.00	(4.20 + 5.00)/2	0.03	4.14	
	Ch:90.00m to 112.20m		1	21.20	(5.00 + 5.00)/2	0.03	3.18	
	Ch:112.20m to 142.00m		1	30.00	(5.30 + 5.20)/2	0.04	6.30	
	Ch:142.20m to 172.20m		1	30.00	(5.20 + 5.10)/2	0.04	6.18	
	Ch:172.20m to 202.20m		1	30.00	(5.10 + 4.90)/2	0.04	6.00	
	Ch:202.20m to 232.20m		1	30.00	(4.90 + 5.10)/2	0.04	6.00	
	Ch:232.20m to 262.20m		1	30.00	(5.10 + 5.20)/2	0.04	6.18	
	Ch:262.20m to 282.20m		1	20.00	(5.20 + 5.50)/2	0.04	4.28	

CIVIL TECH LABS BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯ[illegible] ಅಭಿಯಂತರರು
ಕೆಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

36

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	1st Main Road(Market Road)							
	Ch:0.0m to 7.80m		1	7.80	(4.80 + 7.70) / 2	0.03	1.46	
	Ch:7.80m to 33.80m		1	26.00	(7.20 + 7.30) / 2	0.03	5.66	
	Ch:33.80m to 42.60m		1	8.80	(7.30 + 6.90) / 2	0.03	1.87	
	Ch:42.60m to 72.60m		1	30.00	(5.60 + 5.60) / 2	0.03	5.04	
	Ch:72.60m to 102.60m		1	30.00	(5.60 + 5.60) / 2	0.03	5.04	
	Ch:102.60m to 111.10m		1	8.50	(5.60 + 5.15) / 2	0.03	1.37	
	Ch:111.10m to 141.10m		1	30.00	(6.20 + 5.30) / 2	0.03	5.18	
	Ch:141.10m to 170.60m		1	29.50	(5.30 + 5.60) / 2	0.04	6.43	
						Present Qty	**187.19**	**Cum**

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work: Improvements and Ashalting to Babanna layout 1st Main roadand cross roads in ward No 12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
17	**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.							
	Babanna Layout							
	2nd Cross Road (From Hesaraghtta Main Road)							
	Ch:0.0m to 30.00m		2	30.00	0.10		6.00	
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	Ch:60.00m to 90.00m		2	30.00	0.10		6.00	
	Ch:90.00m to 120.00m		2	30.00	0.10		6.00	
	Ch:120.00m to 150.00m		2	30.00	0.10		6.00	
	Ch:150.00m to 180.00m		2	30.00	0.10		6.00	
	Ch:180.00m to 203.30m		2	23.30	0.10		4.66	
	Ch:203.30m to 233.30m		2	30.00	0.10		6.00	
	Ch:233.30m to 263.30m		2	30.00	0.10		6.00	
	Ch:263.30m to 293.30		2	30.00	0.10		6.00	
	Ch:293.30m to 323.30m		2	30.00	0.10		6.00	
	Ch:323.30m to 343.30m		2	20.00	0.10		4.00	
	Ch:343.30m to 371.05m		2	27.75	0.10		5.55	
	Ch:371.05m to 401.05m		2	30.00	0.10		6.00	
	Ch:401.05m to 431.05m		2	30.00	0.10		6.00	
	Ch:461.05m to 491.05m		2	30.00	0.10		6.00	
	Ch:491.05m to 521.05m		2	30.00	0.10		6.00	
	Ch:521.05m to 535.05m		2	14.00	0.10		2.80	
	Cross Road-1							
	Ch:0.0m to 30.00m		2	30.00	0.10		6.00	
	Ch:30.0m to 60.00m		2	7.00	0.10		1.40	
	Cross Road-2							
	Ch:0.0m to 30.00m		2	30.00	0.10		6.00	
	Ch:30.0m to 60.00m		2	5.00	0.10		1.00	
	Cross Road-3							
	Ch:0.0m to 30.00m		2	25.00	0.10		5.00	
	5th Cross Road				0.10		0.00	
	Ch:0.0m to 30.00m		2	30.00	0.10		6.00	
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	

CIVIL TECH LABS BANGALORE

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:60.00m to 90.00m		2	30.00	0.10		6.00	
	Ch:90.00m to 112.20m		2	21.20	0.10		4.24	
	Ch:112.20m to 142.00m		2	30.00	0.10		6.00	
	Ch:142.20m to 172.20m		2	30.00	0.10		6.00	
	Ch:172.20m to 202.20m		2	30.00	0.10		6.00	
	Ch:202.20m to 232.20m		2	30.00	0.10		6.00	
	Ch:232.20m to 262.20m		2	30.00	0.10		6.00	
	Ch:262.20m to 282.20m		2	20.00	0.10		4.00	
	1st Main Road(Market Road)		2		0.10		0.00	
	Ch:0.0m to 7.80m		2	7.80	0.10		1.56	
	Ch:7.80m to 33.80m		2	26.00	0.10		5.20	
	Ch:33.80m to 42.60m		2	8.80	0.10		1.76	
	Ch:42.60m to 72.60m		2	30.00	0.10		6.00	
	Ch:72.60m to 102.60m		2	30.00	0.10		6.00	
	Ch:102.60m to 111.10m		2	8.50	0.10		1.70	
	Ch:111.10m to 141.10m		2	30.00	0.10		6.00	
	Ch:141.10m to 170.60m		2	29.50	0.10		5.90	
						Present Qty	**210.77**	**Sqm**

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore